

Data Path : Z:\HPCHEM1\BNA M\DATA\BM060717\
 Data File : BM010436.D
 Acq On : 07 Jun 2017 16:39
 Operator : SJ/MA
 Sample : I3446-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 08 01:24:41 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 08 01:22:27 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	252194	20.00	ng/ul	0.00
18) Naphthalene-d8	10.71	136	959834	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.54	164	666957	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.29	188	1813963	20.00	ng/ul	0.00
75) Chrysene-d12	21.46	240	3308225	20.00	ng/ul	0.00
83) Perylene-d12	23.81	264	2536044	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	20395	3.32	ng/uL	0.00
5) Phenol-d5	7.09	99	357906	18.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.25	67	202735	18.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.45	132	314688	20.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	314267	20.38	ng/ul	-0.01
19) Nitrobenzene-d5	9.09	128	148626	21.14	ng/ul	0.00
22) 2-Nitrophenol-d4	9.80	143	180517	22.16	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.34	165	397890	23.78	ng/ul	0.00
29) 4-Chloroaniline-d4	10.87	131	309701	19.19	ng/ul	0.00
43) Dimethylphthalate-d6	13.96	166	1381874	24.94	ng/ul	0.00
46) Acenaphthylene-d8	14.24	160	1568789	24.27	ng/ul	0.00
51) 4-Nitrophenol-d4	14.79	143	173578	20.94	ng/ul	0.00
57) Fluorene-d10	15.54	176	1296988	26.63	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.66	200	178944	13.93	ng/ul	0.00
70) Anthracene-d10	17.39	188	2346665	26.59	ng/ul	0.00
76) Pyrene-d10	19.69	212	3571128	26.10	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.66	264	3004334	25.44	ng/ul	0.01

Target Compounds

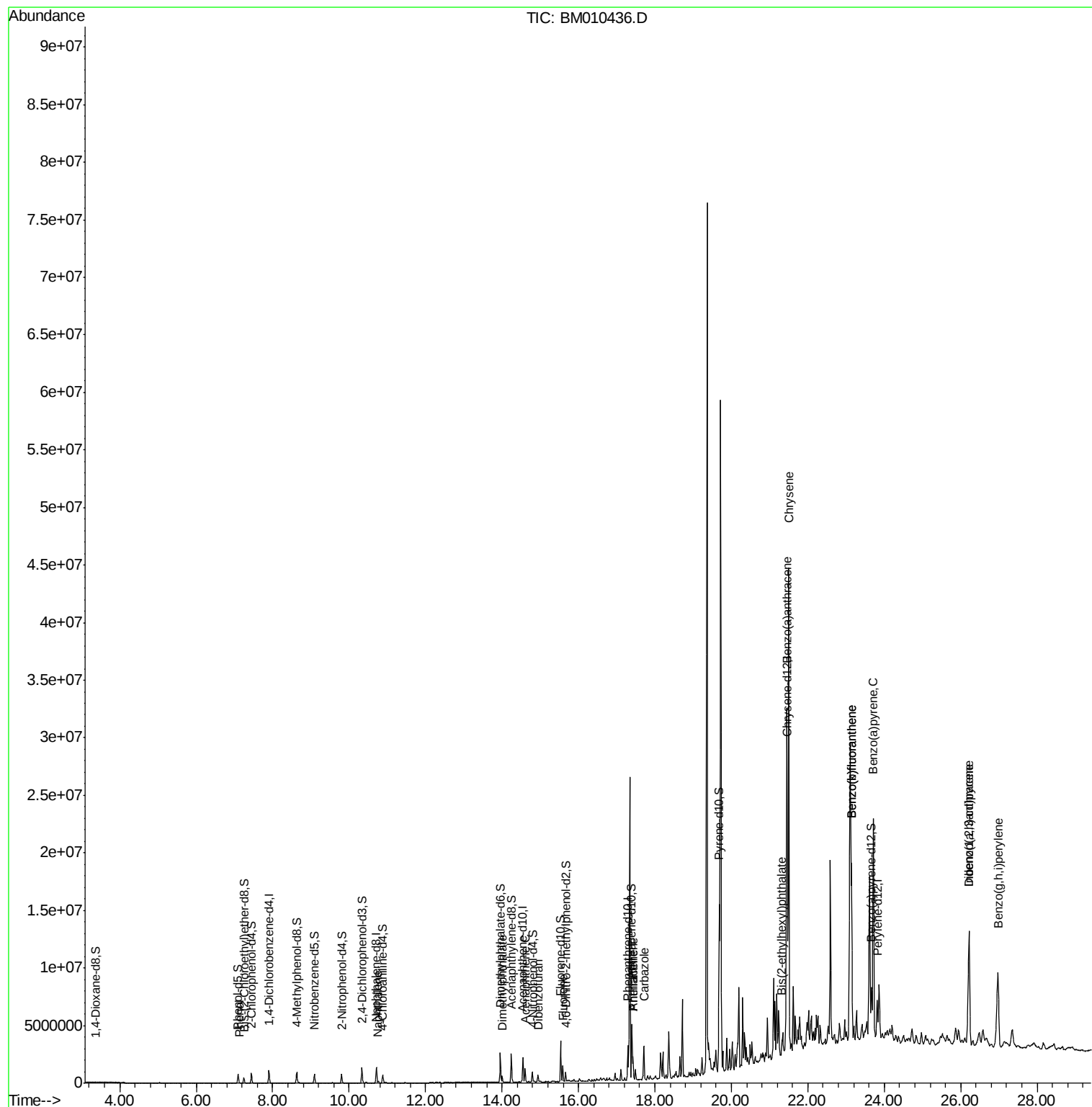
					Ovalue	
6) Phenol	7.13	94	24463	1.25	ng/ul	96
28) Naphthalene	10.76	128	81146	1.69	ng/ul#	95
44) Dimethylphthalate	14.00	163	320562	5.88	ng/ul	97
49) Acenaphthene	14.61	153	441849	9.97	ng/ul	99
53) Dibenzofuran	14.94	168	344951	5.27	ng/ul	97
58) Fluorene	15.59	166	552780	10.29	ng/ul	98
69) Phenanthrene	17.43	178	1160430	11.98	ng/ul	99
71) Anthracene	17.43	178	1179850	11.67	ng/ul	97
72) Carbazole	17.72	167	1728462	20.20	ng/ul	98
80) Benzo(a)anthracene	21.44	228	13040279	69.90	ng/ul#	86
81) Bis(2-ethylhexyl)phthalate	21.32	149	310175	3.54	ng/ul	99
82) Chrysene	21.50	228	15784516	93.60	ng/ul#	83
85) Benzo(b)fluoranthene	23.14	252	7845135	53.16	ng/ul#	99
86) Benzo(k)fluoranthene	23.14	252	7845135	55.65	ng/ul#	97
88) Benzo(a)pyrene	23.71	252	13663734	93.41	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	26.22	276	9832761	53.21	ng/ul	99
90) Dibenzo(a,h)anthracene	26.21	278	2236936	14.05	ng/ul#	91
91) Benzo(g,h,i)perylene	26.97	276	8183263	53.75	ng/ul	95

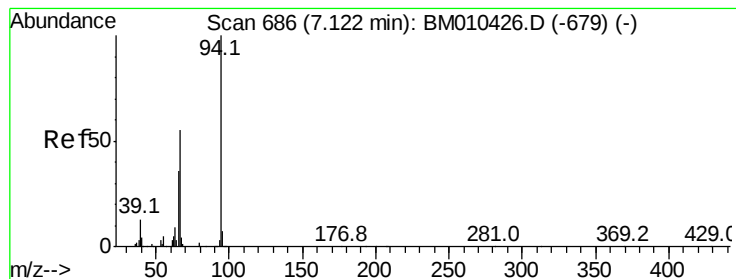
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 1.25 ng/ul

RT: 7.13 min Scan# 687

Delta R.T. 0.01 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

Instrument :

BNA_M

ClientSampled :

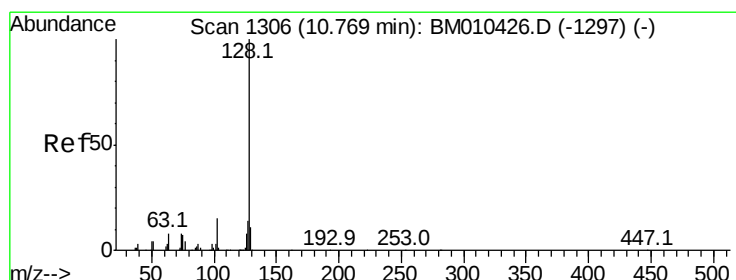
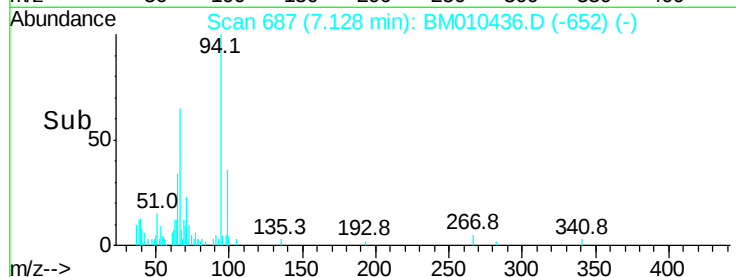
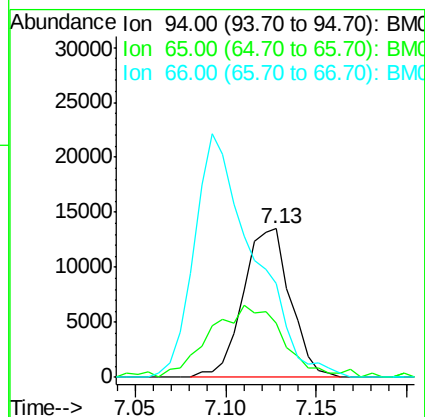
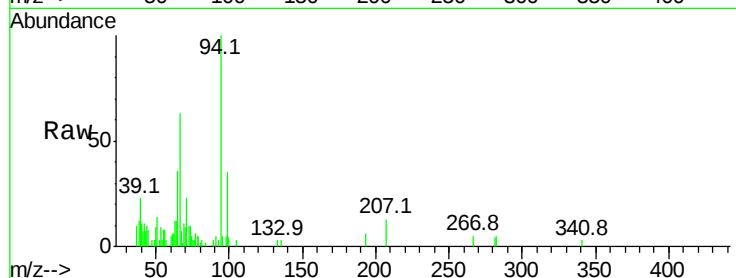
Tot Ion: 94 Resp: 24463

Ion Ratio Lower Upper

94 100

65 36.4 28.2 42.4

66 62.9 47.2 70.8



#28

Naphthalene

Concen: 1.69 ng/ul

RT: 10.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

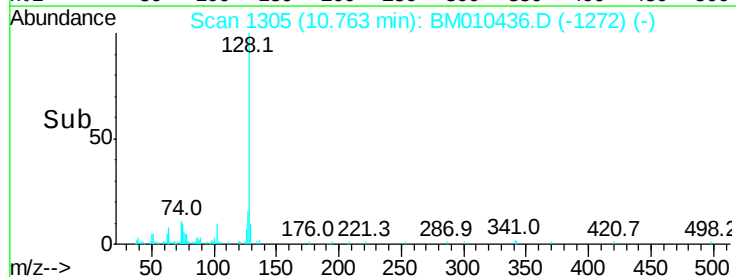
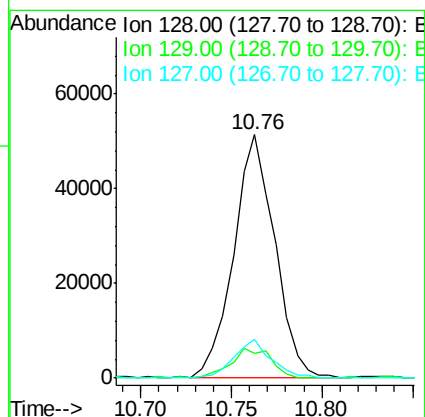
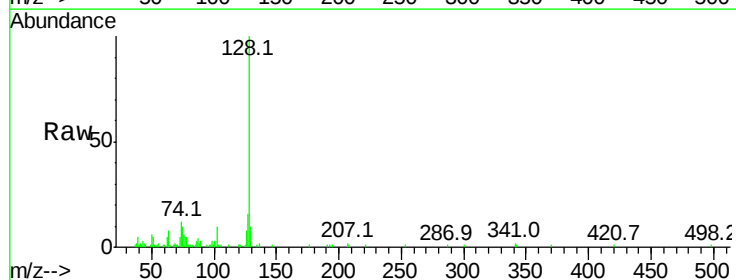
Tgt Ion: 128 Resp: 81146

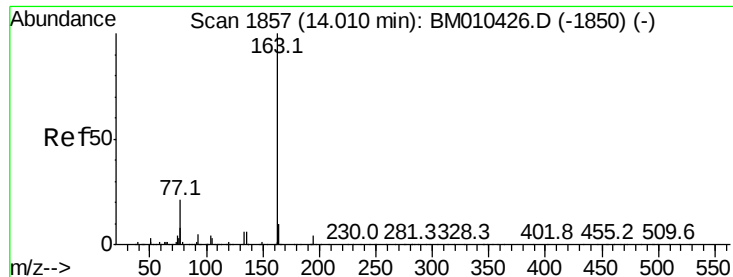
Ion Ratio Lower Upper

128 100

129 10.4 8.8 13.2

127 16.2 10.6 16.0#





#44

Dimethylphthalate

Concen: 5.88 ng/ul

RT: 14.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

Instrument :

BNA_M

ClientSampleId :

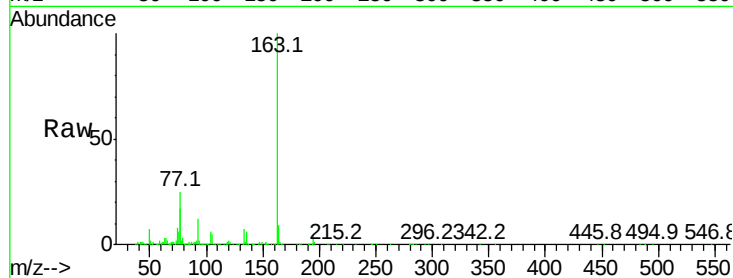
Tot Ion:163 Resp: 320562

Ion Ratio Lower Upper

163 100

194 4.6 3.5 5.3

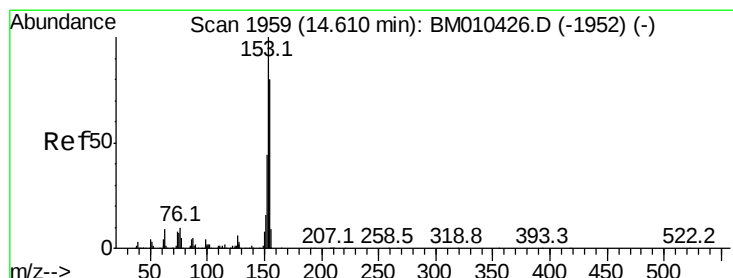
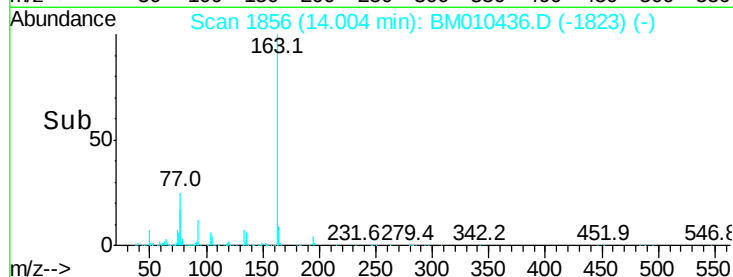
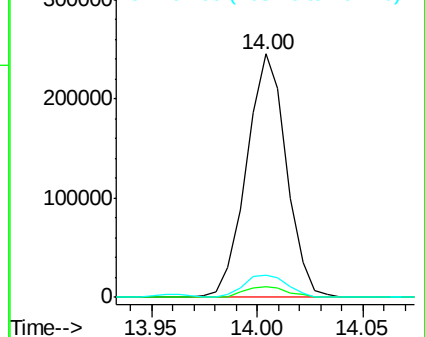
164 9.0 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 9.97 ng/ul

RT: 14.61 min Scan# 1959

Delta R.T. 0.00 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

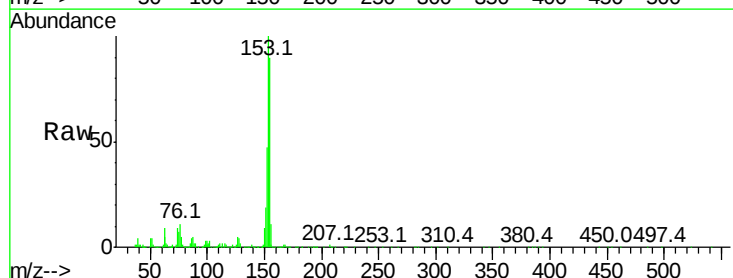
Tgt Ion:153 Resp: 441849

Ion Ratio Lower Upper

153 100

152 47.2 37.6 56.4

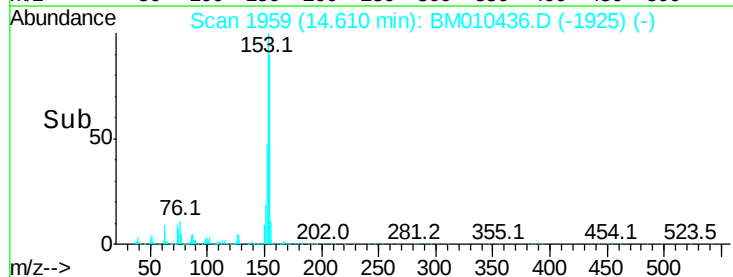
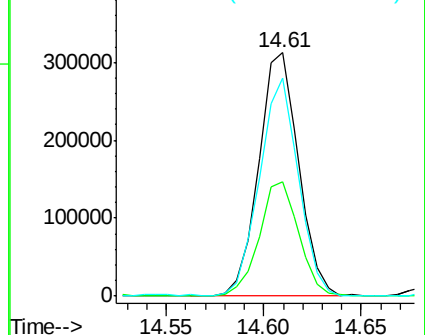
154 89.8 70.4 105.6

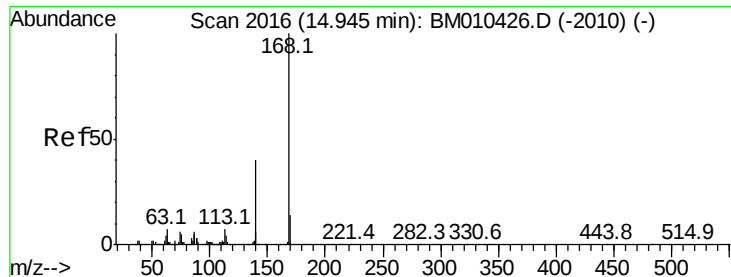


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 5.27 ng/ul

RT: 14.94 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

Instrument :

BNA_M

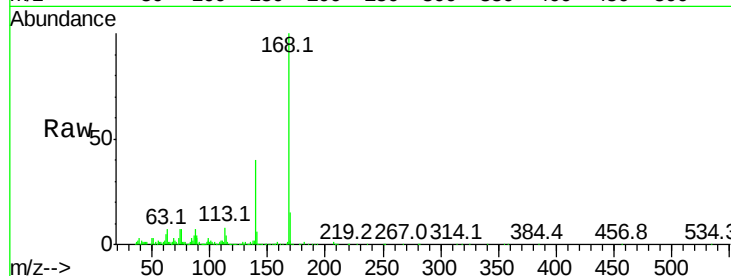
ClientSampleId :

Tot Ion:168 Resp: 344951

Ion Ratio Lower Upper

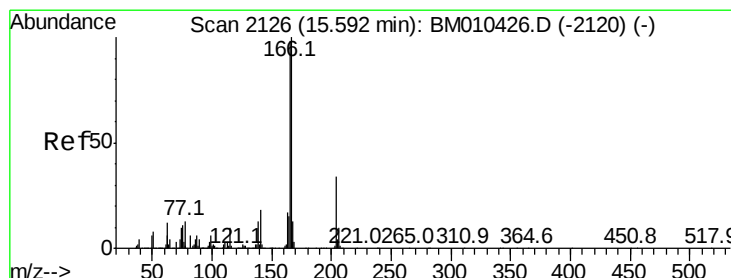
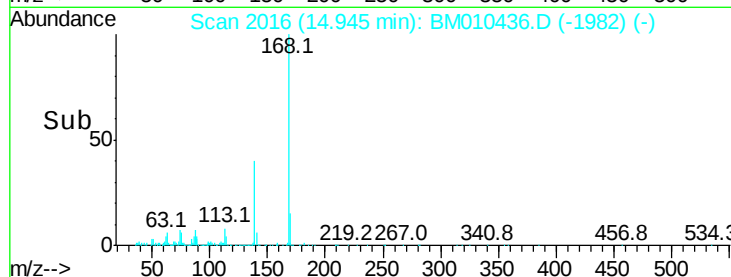
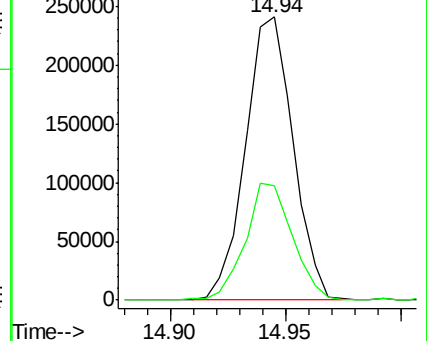
168 100

139 40.3 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 10.29 ng/ul

RT: 15.59 min Scan# 2126

Delta R.T. 0.00 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

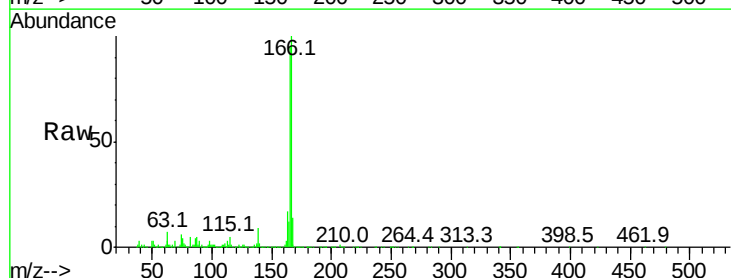
Tgt Ion:166 Resp: 552780

Ion Ratio Lower Upper

166 100

165 95.2 77.9 116.9

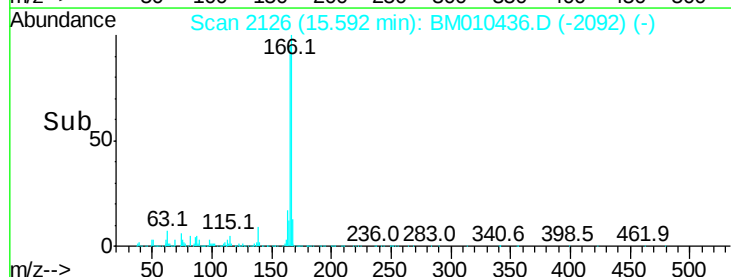
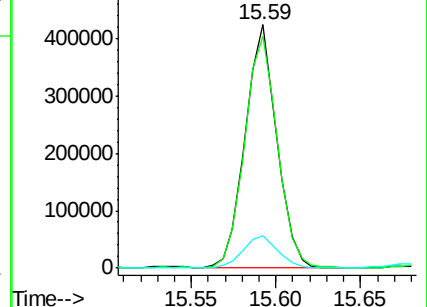
167 13.5 10.6 16.0

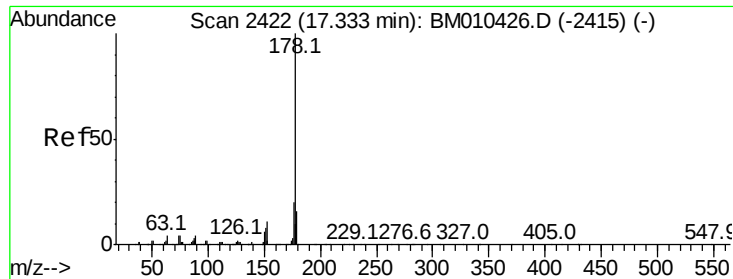


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 11.98 ng/ul

RT: 17.43 min Scan# 2438

Delta R.T. 0.09 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

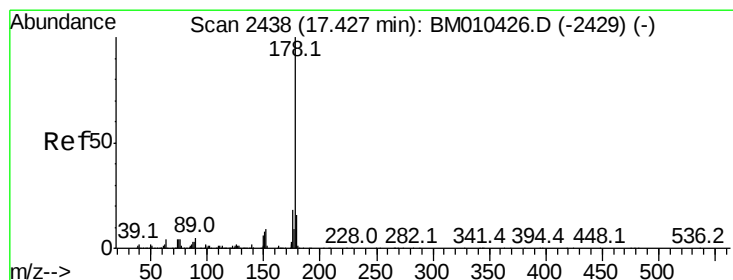
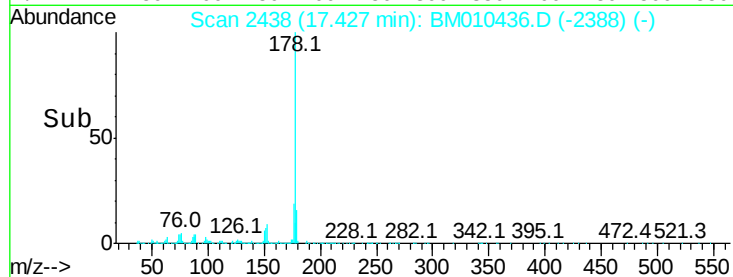
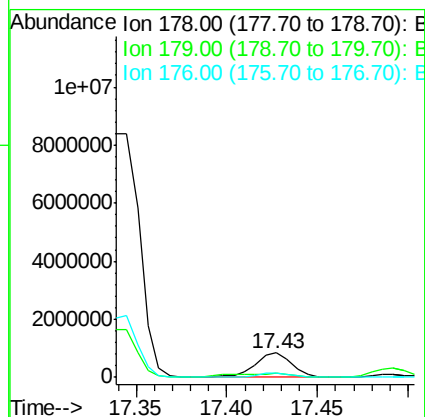
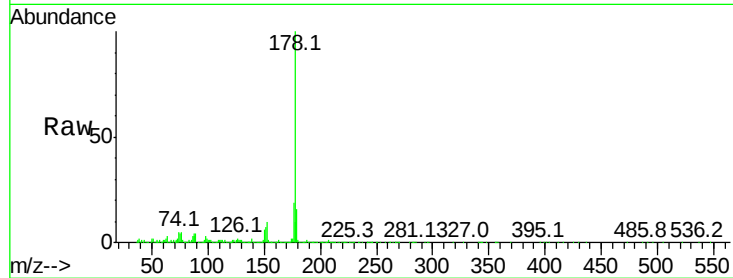
Instrument :

BNA_M

ClientSampled :

Tot Ion:178 Resp: 1160430

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.6	19.0
176	18.9	14.9	22.3



#71

Anthracene

Concen: 11.67 ng/ul

RT: 17.43 min Scan# 2438

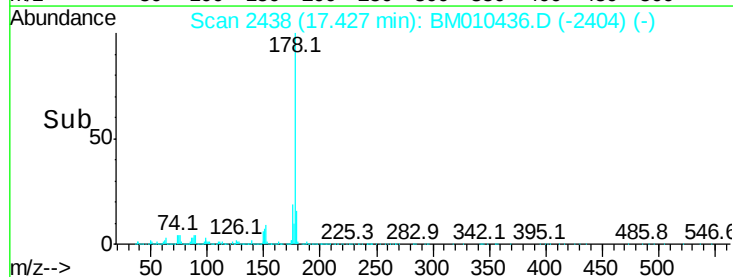
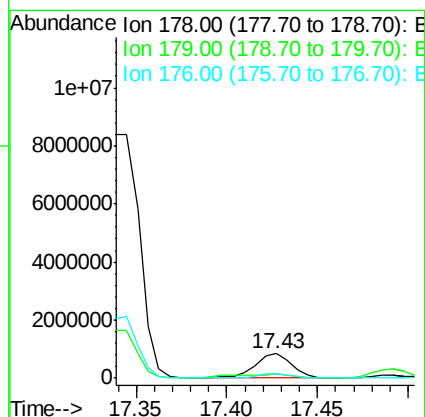
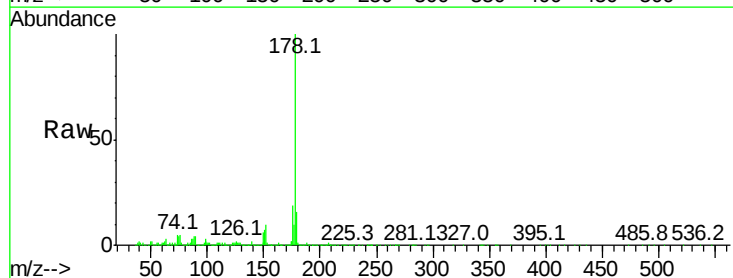
Delta R.T. 0.00 min

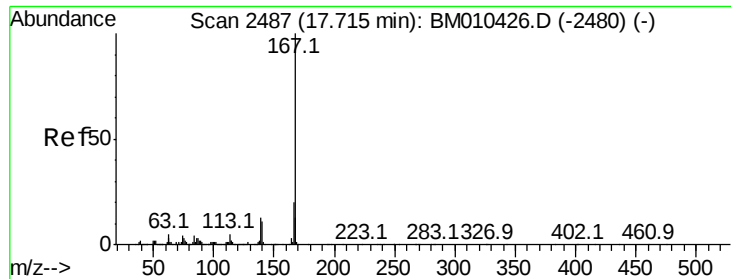
Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

Tgt Ion:178 Resp: 1179850

Ion	Ratio	Lower	Upper
178	100		
179	16.2	11.7	17.5
176	18.9	14.6	21.8





#72

Carbazole

Concen: 20.20 ng/ul

RT: 17.72 min Scan# 2487

Delta R.T. 0.00 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

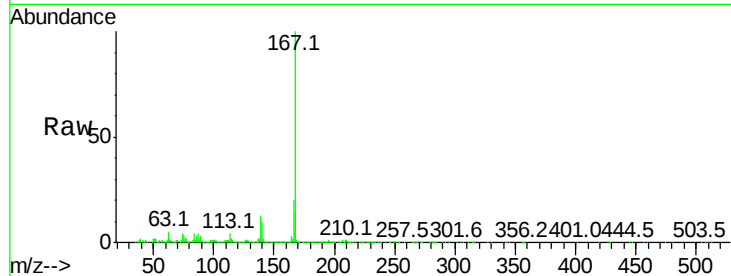
Instrument :

BNA_M

ClientSampleId :

Tot Ion:167 Resp: 1728462

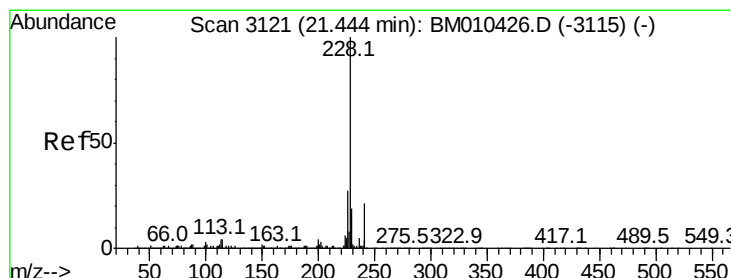
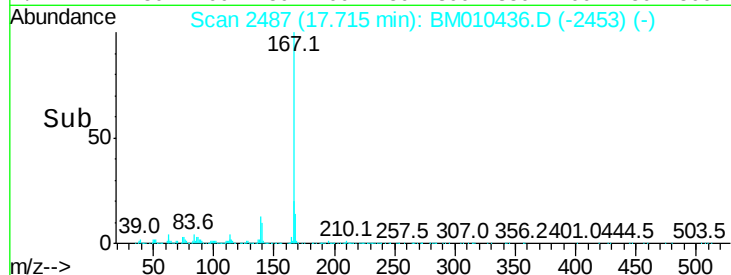
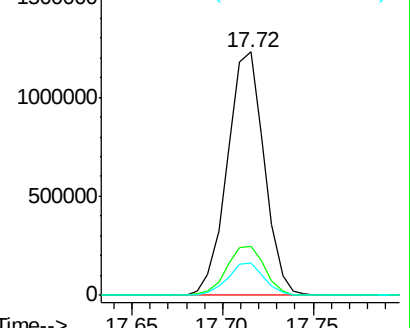
Ion	Ratio	Lower	Upper
167	100		
166	20.2	17.1	25.7
139	13.4	10.0	15.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#80

Benzo(a)anthracene

Concen: 69.90 ng/ul

RT: 21.44 min Scan# 3121

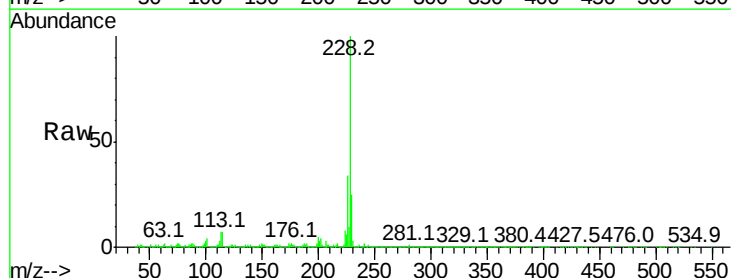
Delta R.T. 0.00 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

Tgt Ion:228 Resp:13040279

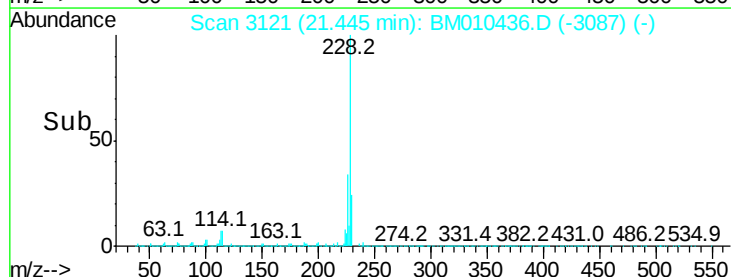
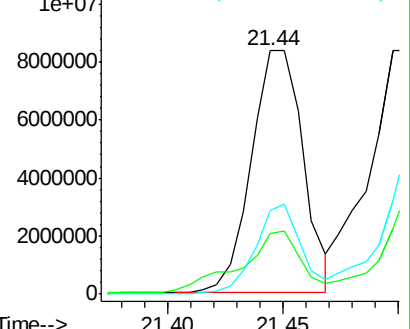
Ion	Ratio	Lower	Upper
228	100		
229	24.8	15.4	23.0#
226	34.2	21.4	32.0#

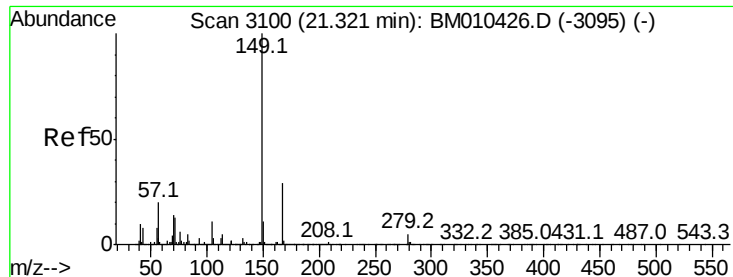


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 3.54 ng/ul

RT: 21.32 min Scan# 3100

Delta R.T. 0.00 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

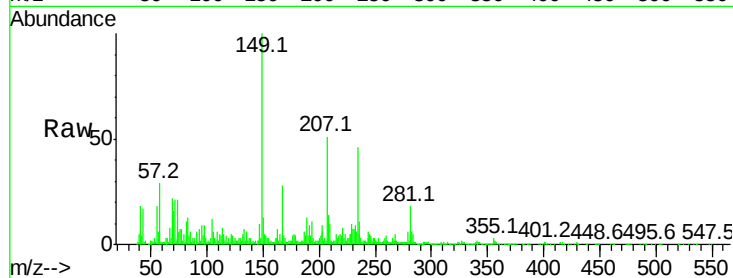
Instrument :

BNA_M

ClientSampleId :

Tot Ion:149 Resp: 310175

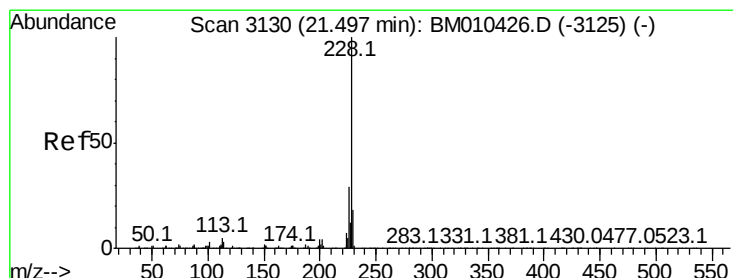
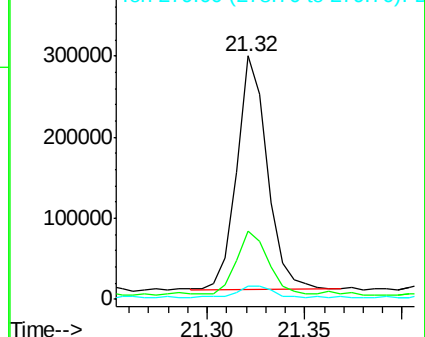
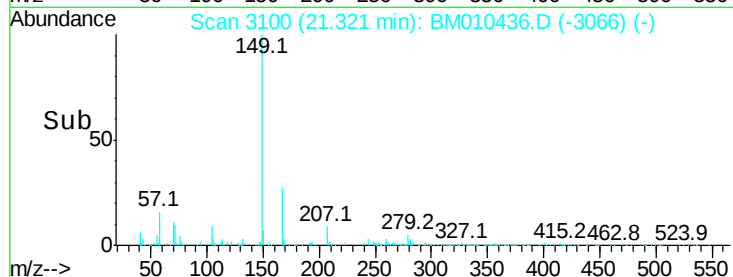
Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.8	34.2
279	5.7	4.9	7.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 93.60 ng/ul

RT: 21.50 min Scan# 3130

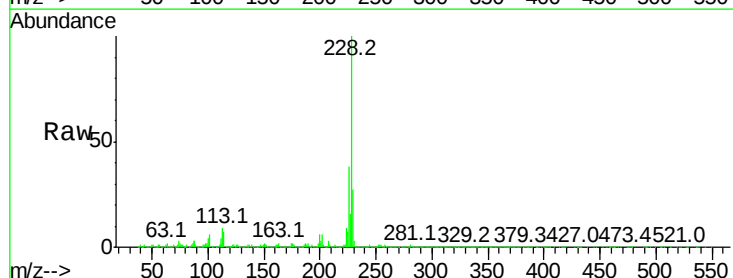
Delta R.T. 0.00 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

Tgt Ion:228 Resp:15784516

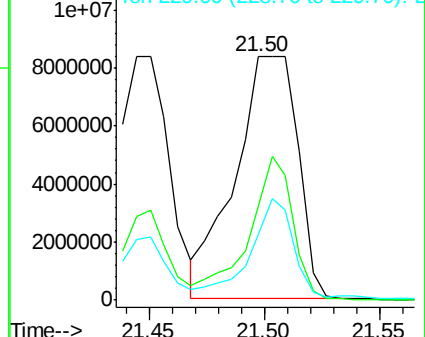
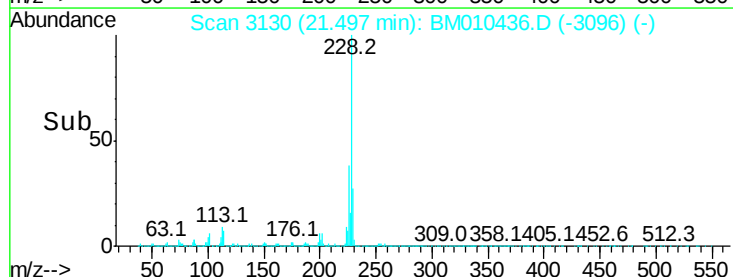
Ion	Ratio	Lower	Upper
228	100		
226	38.5	23.4	35.2#
229	27.2	15.5	23.3#

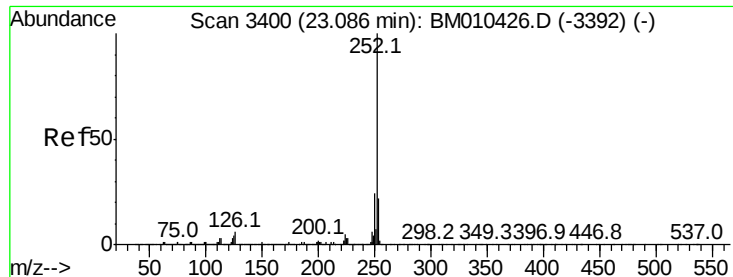


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 53.16 ng/ul

RT: 23.14 min Scan# 3410

Delta R.T. 0.06 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

Instrument :

BNA_M

ClientSampleId :

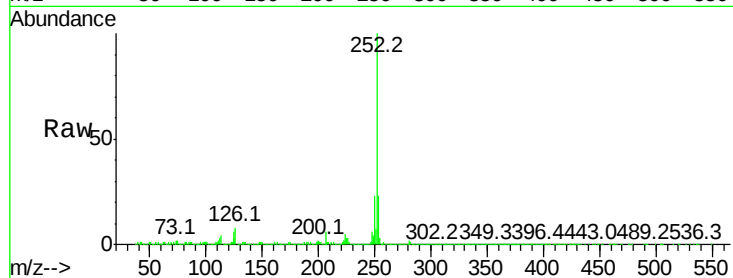
Tot Ion:252 Resp: 7845135

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

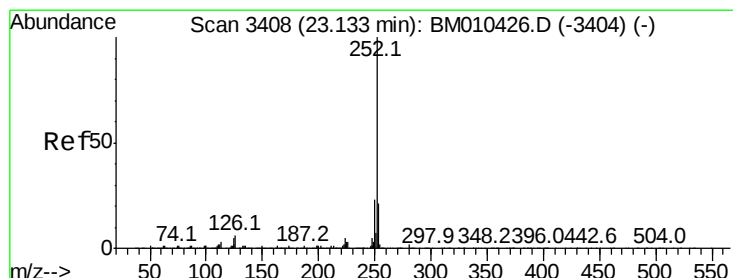
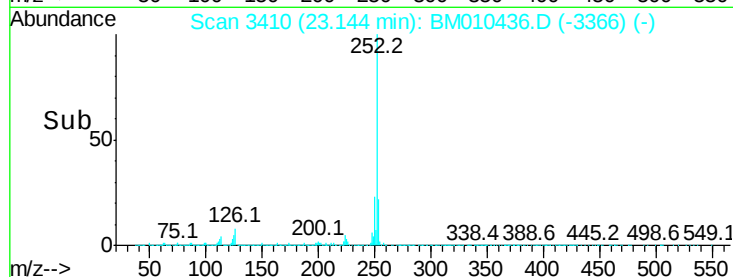
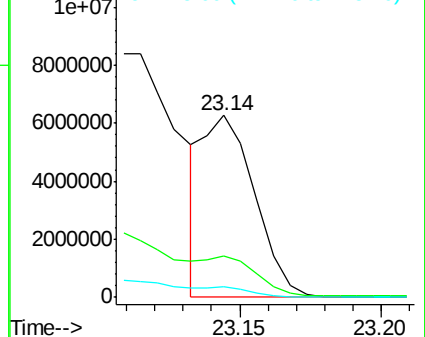
125 5.6 3.6 5.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#86

Benzo(k)fluoranthene

Concen: 55.65 ng/ul

RT: 23.14 min Scan# 3410

Delta R.T. 0.01 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

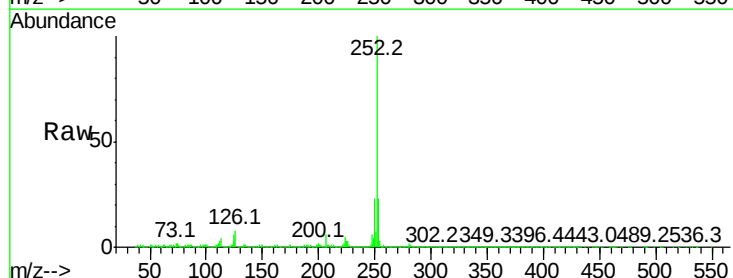
Tgt Ion:252 Resp: 7845135

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

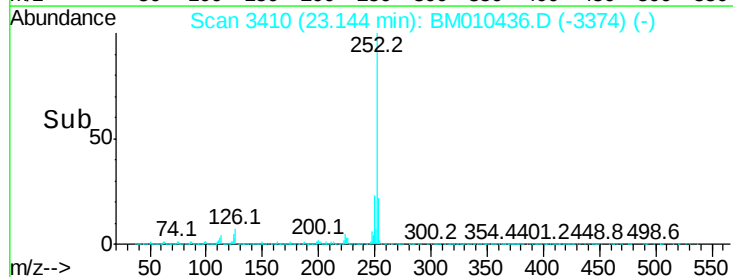
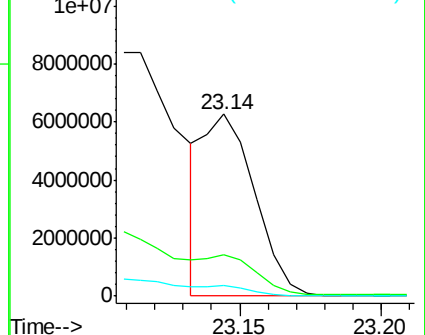
125 5.6 3.4 5.2#

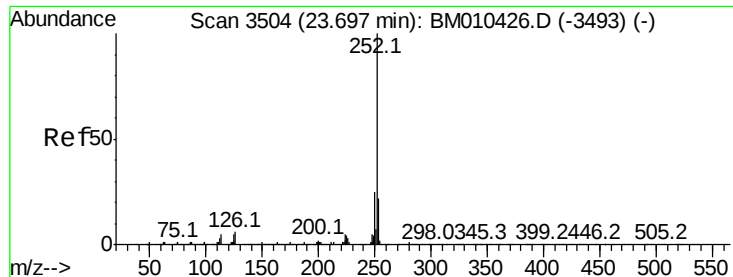


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 93.41 ng/ul

RT: 23.71 min Scan# 3507

Delta R.T. 0.02 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

Instrument :

BNA_M

ClientSampled :

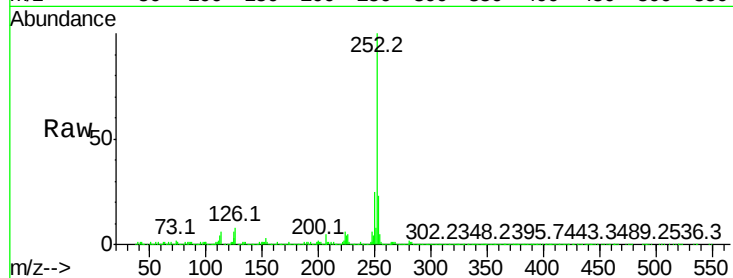
Tot Ion:252 Resp:13663734

Ion Ratio Lower Upper

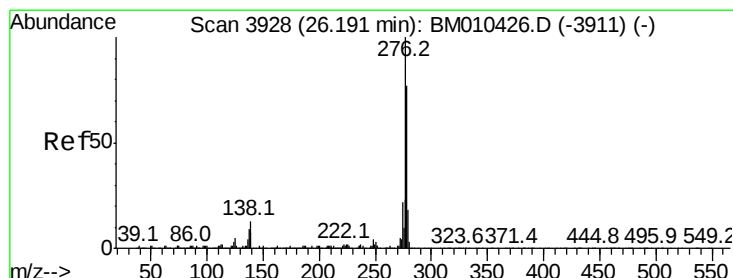
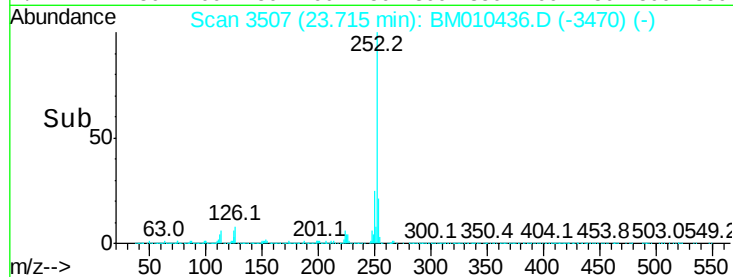
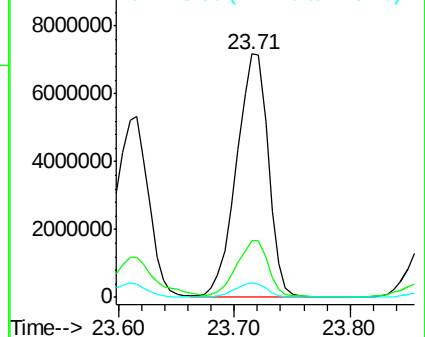
252 100

253 23.4 18.2 27.2

125 6.1 4.0 6.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Indeno(1,2,3-cd)pyrene

Concen: 53.21 ng/ul

RT: 26.22 min Scan# 3933

Delta R.T. 0.03 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

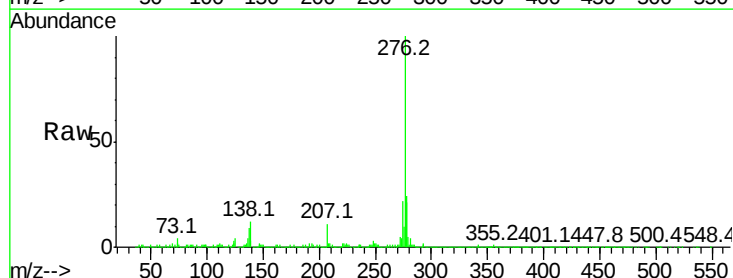
Tgt Ion:276 Resp: 9832761

Ion Ratio Lower Upper

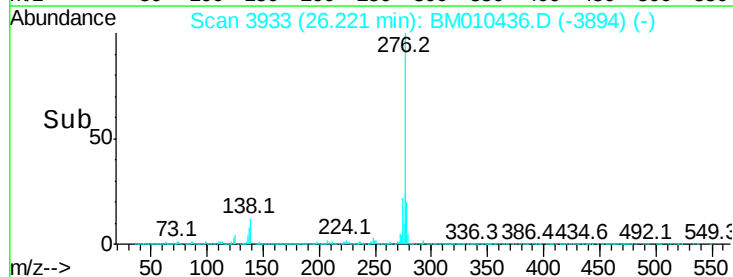
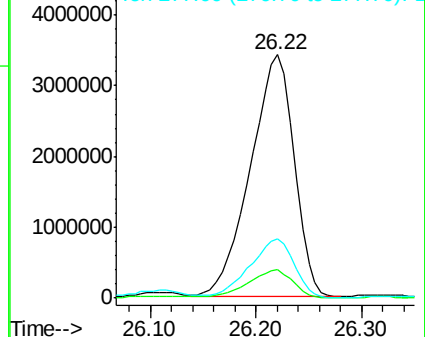
276 100

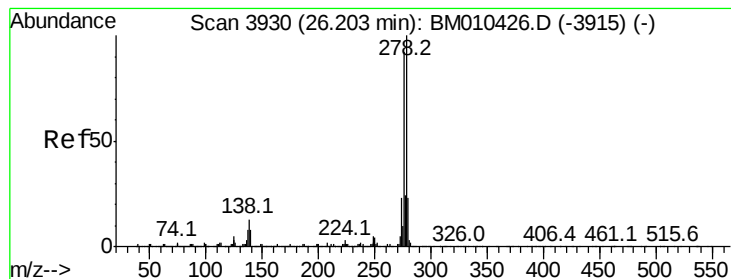
138 11.8 9.3 13.9

277 24.4 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 14.05 ng/ul

RT: 26.21 min Scan# 3932

Delta R.T. 0.01 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

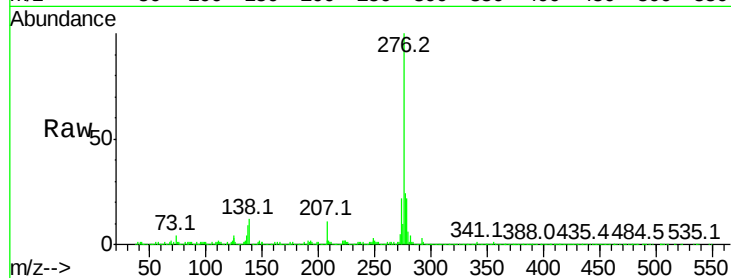
Instrument :

BNA_M

ClientSampleId :

Tot Ion:278 Resp: 2236936

Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	25.5	18.6	27.8

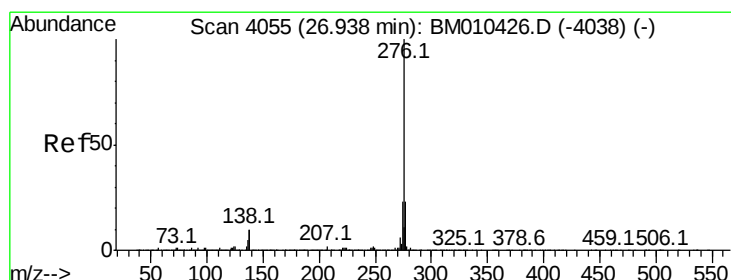
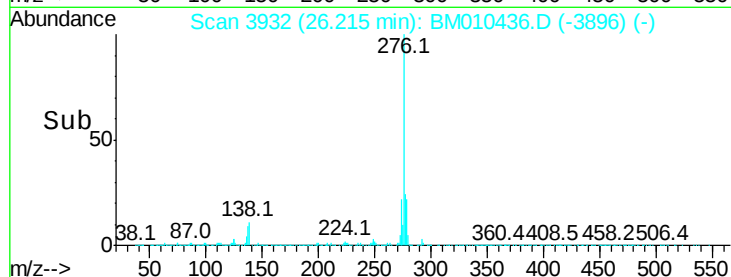
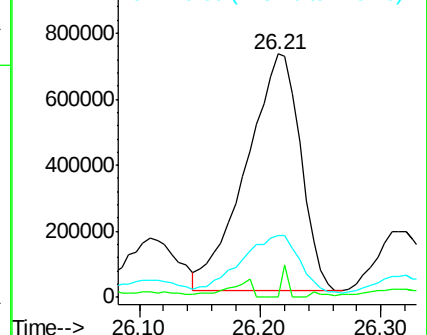


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 53.75 ng/ul

RT: 26.97 min Scan# 4061

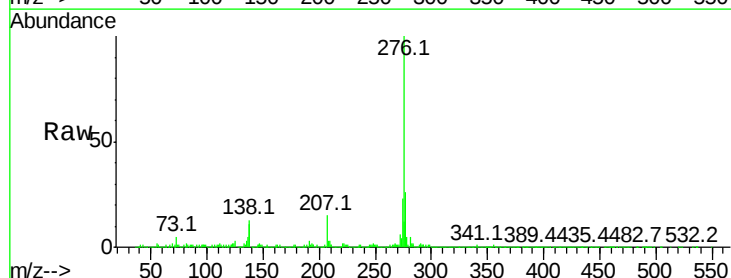
Delta R.T. 0.04 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

Tgt Ion:276 Resp: 8183263

Ion	Ratio	Lower	Upper
276	100		
138	12.6	8.5	12.7
277	25.5	18.6	28.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

